

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064280.D
 Acq On : 23 Oct 2020 10:22
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:38:39 PM

Quant Time: Oct 23 12:08:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 11:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	41036	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	235614	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	210467	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	113831	33.28	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.93%#
60) 4-Bromofluorobenzene	12.38	95	110673	29.53	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.43%
63) Toluene-d8	10.06	98	284676	29.95	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	41510	15.418	ug/l 100
3) Chloromethane	2.04	50	41880	15.151	ug/l 100
4) Vinyl Chloride	2.16	62	41130	15.150	ug/l 100
5) Bromomethane	2.54	94	28185	16.864	ug/l 100
6) Chloroethane	2.67	64	23409	14.812	ug/l 100
7) Trichlorofluoromethane	2.99	101	70058	16.043	ug/l 100
8) Diethyl Ether	3.37	74	20991	14.204	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	35048	15.192	ug/l 100
10) 1,1-Dichloroethene	3.70	96	34711	15.327	ug/l 100
11) Methyl Iodide	3.91	142	44779	13.839	ug/l 100
12) Methyl Acetate	4.29	43	36923m	15.321	ug/l 100
13) Acrolein	3.57	56	16130	61.805	ug/l 100
14) Acrylonitrile	4.93	53	73214	75.621	ug/l 100
15) Acetone	3.78	58	25361	92.390	ug/l 100
16) Carbon Disulfide	4.01	76	94751	14.732	ug/l 100
17) Allyl chloride	4.28	41	60162	14.407	ug/l 100
18) Methylene Chloride	4.51	84	38740	14.891	ug/l 100
19) trans-1,2-Dichloroethene	4.99	96	37301	15.257	ug/l 100
20) Diisopropyl ether	5.90	45	119934	15.375	ug/l 100
21) 1,1-Dichloroethane	5.80	63	72081	15.177	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	43270	15.174	ug/l 100
23) tert-Butyl Alcohol	4.73	59	33921m	75.040	ug/l 100
24) Methyl tert-Butyl Ether	4.99	73	115636	15.425	ug/l 100
25) Chloroform	7.33	83	77292	15.563	ug/l 100
26) Cyclohexane	7.61	56	54873	14.600	ug/l 100
29) 1,1-Dichloropropene	7.76	75	56981	15.067	ug/l 100
30) 2-Butanone	6.78	43	128455	80.212	ug/l 100
31) 2,2-Dichloropropane	6.78	77	74724	15.468	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	73311	15.134	ug/l 100
33) Carbon Tetrachloride	7.73	117	64171	14.624	ug/l 100
34) Benzene	8.00	78	153814	14.580	ug/l 100
35) Methacrylonitrile	7.13	41	22477	13.195	ug/l 100
36) 1,2-Dichloroethane	8.09	62	71402	16.408	ug/l 100
37) Trichloroethene	8.80	130	41957	14.465	ug/l 100
38) Methylcyclohexane	9.05	83	50524	14.014	ug/l 100
39) 1,2-Dichloropropane	9.08	63	43225	15.261	ug/l 100
40) Dibromomethane	9.17	93	30696	15.478	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	62360	14.687	ug/l	100
42) Vinyl Acetate	5.84	43	555084	74.540	ug/l	100
43) Ethyl Acetate	6.88	43	47716	14.024	ug/l	100
44) Isopropyl Acetate	8.12	43	92810	14.228	ug/l	100
45) 1,4-Dioxane	9.17	88	10421	270.474	ug/l	100
46) Methyl methacrylate	9.17	41	47993	15.329	ug/l	100
47) n-amyl Acetate	12.05	43	76541	13.224	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	70925	14.775	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	70859	14.337	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	38977	14.838	ug/l	100
51) Ethyl methacrylate	10.40	69	54539	13.299	ug/l	100
52) 1,3-Dichloropropane	10.68	76	67059	14.766	ug/l	100
53) Dibromochloromethane	10.87	129	43411	13.314	ug/l	100
54) 1,2-Dibromoethane	10.98	107	39758	14.301	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	71379	38.150	ug/l	100
56) Bromoform	12.10	173	31062	13.600	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	260259	74.961	ug/l	100
59) 2-Hexanone	10.72	43	192267	74.550	ug/l	100
61) Tetrachloroethene	10.60	164	41777	15.143	ug/l	100
62) Toluene	10.13	91	170147	14.631	ug/l	100
64) Chlorobenzene	11.41	112	104736	14.491	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	42092	14.775	ug/l	100
66) Ethyl Benzene	11.48	91	193928	14.549	ug/l	100
67) m/p-Xylenes	11.60	106	142544	28.706	ug/l	100
68) o-Xylene	11.92	106	67108	13.933	ug/l	100
69) Styrene	11.94	104	112160	13.809	ug/l	100
70) Isopropylbenzene	12.22	105	181046	14.261	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	49364	14.156	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	49497m	13.473	ug/l	100
73) Bromobenzene	12.50	156	43556	14.282	ug/l	100
74) n-propylbenzene	12.57	91	210179	14.456	ug/l	100
75) 2-Chlorotoluene	12.65	91	126641	14.112	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	153900	14.223	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	20330	14.242	ug/l	100
78) 4-Chlorotoluene	12.75	91	133913	14.210	ug/l	100
79) tert-butylbenzene	12.97	119	127847	14.434	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	153251	14.022	ug/l	100
81) sec-Butylbenzene	13.14	105	159456	13.938	ug/l	100
82) p-Isopropyltoluene	13.26	119	149602	14.093	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	77061	13.995	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	76080	13.886	ug/l	100
85) n-Butylbenzene	13.59	91	126151	13.427	ug/l	100
86) Hexachloroethane	13.85	117	24626	13.554	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	74154	13.804	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	12818	14.366	ug/l	100
89) 1,2,4-Trichlorobenzene	14.88	180	41398	13.068	ug/l	100
90) Hexachlorobutadiene	14.98	225	23961	14.614	ug/l	100
91) Naphthalene	15.10	128	120050	12.482	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	39079	12.862	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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